APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/762,512	01/23/2004	Kazuma Yumoto	ASAM.0097	5242

38327   7590   09/25/2009

Juan Carlos A. Marquez
c/o Stites & Harbison PLLC
1199 North Fairfax Street
Suite 900
Alexandria, VA 22314-1437

EXAMINER
PARK, JEONG S

ART UNIT	PAPER NUMBER
2454	

MAIL DATE	DELIVERY MODE
09/25/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *22 May 2009*.
2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.
3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-49* is/are pending in the application.
    4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5)☐ Claim(s) _____ is/are allowed.
6)☒ Claim(s) *1-49* is/are rejected.
7)☐ Claim(s) _____ is/are objected to.
8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.
10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a)☐ All   b)☐ Some * c)☐ None of:
      1.☐ Certified copies of the priority documents have been received.
      2.☐ Certified copies of the priority documents have been received in Application No. _____.
      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.
4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.
5)☐ Notice of Informal Patent Application
6)☐ Other: _____.

DETAILED ACTION

1.   This communication is in response to Application No. 10/762,512 filed on

1/23/2004. The argument presented on 5/22/2009. Claims 1-49 have been examined.

Response to Arguments

2.   Applicant's arguments filed 5/22/2009 have been fully considered but they are

not persuasive.

A.   Summary of Applicant's Arguments

In the remarks, the applicant argues as followings:

Regarding claim 1, Feather merely shows that the device monitor 100 issues

commands to the monitored device 118 to capture status and some data from the

device 118 (See paragraph [0028]). However, Feather does not show or suggest that

the device monitor 100 monitors a communication session between different terminal

devices (See Fig. 1).

B.   Response to Arguments:

In response to argument, Feather teaches as follows:

Monitoring a traffic (equivalent to applicant's communication session) between an

initiator and the device (equivalent to applicant's at least two terminal device)(the

monitor is capable of passively monitoring traffic between an initiator and the device,

determining when the passively monitored traffic is insufficient for identifying state of the

device, and actively issuing supplemental commands to the device to refresh device

information when passively monitored traffic is insufficient. The monitor can also

determine device state from the device information (see, e.g., page 1, paragraph

[0007]).

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

4.   Claims 1-3, 6 and 32-37 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Aravamudan et al. (hereinafter Aravamudan)(U.S. Patent No.

6,301,609 B1) in view of Feather et al. (hereinafter Feather)(U.S. Pub. No.

2004/0139195 A1).

Regarding claim 1, Aravamudan teaches as follows:

a network system comprising:

a session control server (Instance Message (hereinafter IM) server, 130 in figure

1 and 2) controlling a communication session created between at least two terminal

devices (client's CPE 140 in figure 1 and 2)(the IM server interfaces with and services

the client via the client's CPE and the client's proxy presence within the Communication

Services Platform (CSP) 160 in figure 1 and 2, see, e.g., col. 4, line 65 to col. 5, line 14);

a presence server (Communication Services Platform (hereinafter CSP) 160 in

figure 1 and 2) managing status information (online status) on one of said at least two

terminal devices (the personal data and rules database 168 in figure 1, which are included in the CSP 160 in figure 1, maintains the online status and location of the client, see, e.g., col. 6, lines 27-29);

a communication line connecting said session control server (IM server 130), said presence server (CSP), and said terminal devices (client 142-150)(see, e.g., col. 5, lines 15-31 and figure 1 and 3), wherein said session control server (IM server) comprises;

means for detecting a change in status information on a user of said terminal device or on said terminal device (IM server periodically polls the client premises equipment to determine whether a network session has been terminated, see, e.g., col. 8, lines 10-23); and

means for notifying said presence server (CSP) of an update request for the status information when the change in the status information is detected (the IM server conveys an instant message to the CSP informing that the user's status has changed to off-line or online, see, e.g., col. 8, lines 19-31).

Aravamudan does not teach of monitoring the communication session created between two terminal devices by analyzing a packet communicated between the two terminal devices and detecting based on a result of monitoring the communication session.

Feather teaches that a system comprises a monitor that obtains state information relating to a device based on intelligent sampling techniques by intersecting incoming

and/or outgoing traffic from the device and sampling the intercepted traffic to determine device state (see, e.g., page 2, paragraph [0024]).

It would have been obvious for one of ordinary skill in the art at the time of the invention to combine Aravamudan with Feather to include the sampling technique in order to efficiently monitor communication devices and detect a state of the communication devices based on real traffic between the communication devices.

Regarding claim 2, Aravamudan in view of Feather teach all the limitations of claim as presented above per claim 1. The examiner interpreted the first server as the IM server (130 in figure 1 and 2) and the second server as the CSP.

Regarding claim 3, Aravamudan teaches as follows:

said presence server (CSP) comprises:

means for receiving (network service interface 162 in figure 1 and 2) the update request for the status information (the IM server conveys an instant message to the CSP informing that the user's status has changed to off-line or online, see, e.g., col. 8, lines 19-31);

means for storing (personal data and rules database 168 in figure 1 and 2) the status information (the personal data and rules database maintains the online status and location of the client, see, e.g., col. 6, lines 27-29); and

means for updating said means for storing (personal data and rules database) based on the update request (the CSP database is updated to reflect the off-line status of the user, see, e.g., col. 8, lines 5-31 and step 286 in figure 7).

Regarding claim 6, Aravamudan teaches as follows:

the network system according to claim 1, wherein SIP (Session Initiation

Protocol) is used (see, e.g., col. 4, lines 6-25 and 186 in figure 3).

Regarding claims 32-34 and 35-37, Aravamudan teaches as follows:

said means for notifying said presence server (CSP 160 in figure 1) generates

information of the update request for the status information when the change in the

status information is detected (IM server conveys an instant message to the CSP

informing the CSP that the user's status has changed to off-line and the CSP database

is updated to reflect the off-line status of the user, see, e.g., col. 8, lines 5-31).

5.   Claims 4 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Aravamudan et al. (hereinafter Aravamudan)(U.S. Patent No. 6,301,609 B1) in view of

Feather et al. (hereinafter Feather)(U.S. Pub. No. 2004/0139195 A1) as applied to

claims 1 and 3 above, and further in view of Endress et al. (hereinafter Endress)(U.S.

Patent No. 6,895,554 B2).

Regarding claims 4 and 5, Aravamudan teaches as follows:

the IM server (equivalent to the applicant's session control server) notifies the

CSP (equivalent to the applicant's presence server) of the user's online presence and

address and then the CSP updates the CSP database to indicate that the user is online

(see, e.g., col. 7, lines 13-20).

Even though Aravamudan teaches the updating process which implicitly

including the comparing process, Endress teaches further explicitly as follows:

means for comparing the notified status information (interpreted as new data

from live data field) with some other status information (interpreted as current data

stored in data field) for checking consistency of the update request with the other status

information (comparing the new data with the current data for detecting the difference

before updating process, see, e.g., col. 7, line 65 to col. 8, line 22); and

rewrites the other status information (interpreted as current data stored in data

field) so that, when the other status information is not consistent with the status

information (interpreted as new data from live data field) specified by the update

request, the other status information becomes consistent with the status information

specified by the update request (current data can be changed by overtyping the current

data with new data or by deleting the current data and inserting new data, see, e.g., col.

7, line 65 to col. 8, line 22).

It would have been obvious for one of ordinary skill in the art at the time of the

invention to modify Aravamudan in view of Feather to include comparing process to

update data as taught by Endress in order to efficiently update the stored data by

comparing the difference between the stored data and the new data.

6.   Claims 7 and 23-31 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Aravamudan et al. (hereinafter Aravamudan)(U.S. Patent No. 6,301,609 B1) in

view of Kammerer (U.S. Pub. No. 2004/0205175 A1).

Regarding claims 7, 24 and 25, Aravamudan teaches as follows:

a network system comprising:

one or more servers server (Instance Message (hereinafter IM) server, 130 in

figure 1 and 2) each having a function to monitor a communication session created

between terminal devices (client's CPE 140 in figure 1 and 2)(IM server periodically

polls the client premises equipment to determine whether a network session has been

terminated, see, e.g., col. 8, lines 10-23);

      a presence server (Communication Services Platform (hereinafter CSP) 160 in

figure 1 and 2) in which status information describing the status of said terminal device

or the status of a user of the terminal device is stored (the personal data and rules

database 168 in figure 1, which are included in the CSP 160 in figure 1, maintains the

online status and location of the client, see, e.g., col. 6, lines 27-29);

      one of the servers (IM server) other than said presence server monitors the

communication session to detect a change in the status information (IM server

periodically polls the client premises equipment to determine whether a network session

has been terminated, see, e.g., col. 8, lines 10-23);

      when the change is detected, the change in the Status information is notified to

said presence server (the IM server conveys an instant message to the CSP informing

that the user's status has changed to off-line or online, see, e.g., col. 8, lines 19-31);

and

      a gateway device (126 in figure 1 and 2, 186 in figure 3) support conversion

between different networks by using the Session Initiation Protocol (see, e.g., col. 3, line

53 to col. 4, line 25).

      Aravamudan does not teach SIP used in the one or more servers.

      Kammerer teaches as follows:

a Session Initiation Protocol (SIP) based presence server which enables secure

corporate instant messaging while allowing the user of any SIP compliant IM client (see,

e.g., page 1, paragraph [0008]);

providing users freedom to collaborate by voice and data with any other user on

a common IM network regardless of what type of communication device the users are

operating (see, e.g., page 2, paragraph [0024]); and

SIP is an application layer control protocol using the Session Description

Protocol (SDP) to create sessions and carry session descriptions which allow

participants to agree on a set of compatible media types (see, e.g., page 3, paragraph

[0048]).

Therefore, inherently a protocol stack is included to support application layer SIP

and to support different type of communication device (a protocol stack is interpreted as

a protocol interface layer showing all protocols used under the SIP application layer

protocol).

It would have been obvious for one of ordinary skill in the art at the time of the

invention to modify Aravamudan to include SIP used in IM server as taught by

Kammerer in order to efficiently support different communication device and provide

session connection between communication devices.

Regarding claim 23, Aravamudan teaches as follows:

a presence server (Communication Services Platform (hereinafter CSP) 160 in

figure 1 and 2), connected via a network to a session control server (Instance Message

(hereinafter IM) server, 130 in figure 1 and 2) managing a communication session

created between at least two terminal devices (client's CPE 140 in figure 1 and 2), for

managing status information on said communication session (IM server periodically

polls the client premises equipment to determine whether a network session has been

terminated, see, e.g., col. 8, lines 10-23), said presence server comprising:

an interface receiving a status information update message received from said

session control server (the client software generates a message indicating user's online

status and current user address and the message is sent to the IM server to notify the

CSP, see, e.g., col. 7, lines 3-20);

storage means (CSP database) for storing a plurality of status information pieces

(the IM server notifies the CSP of the user's online presence and address and then the

CSP updates the CSP database to indicate that the user is online, see, e.g., col. 7, lines

13-20);

means for receiving the status information update request message sent from

said session control server (the IM server (equivalent to the applicant's session control

server) notifies the CSP (equivalent to the applicant's presence server) of the user's

online presence and address and then the CSP updates the CSP database to indicate

that the user is online, see, e.g., col. 7, lines 13-20) if the session control server detects

a change in the communication session (IM server periodically polls the client premises

equipment to determine whether a network session has been terminated, see, e.g., col.

8, lines 10-23);

means for changing a content stored in said storage means (data conversion

supported by a gateway device by using the SIP, see, e.g., col. 3, line 53 to col. 4, line

25); and

means for judging whether there is an inconsistency between the status

information included in the update message (first status information) and other status

information (second status information) stored in said storage means and belonging to a

terminal to which the first status information belongs, wherein, if there is an

inconsistency between the first status information and the second status information,

the second status information is made to match the first status information (explained as

above per claims 4 and 5).

Aravamudan does not teach SIP used in the IM server but in the gateway device.

Kammerer teaches as follows:

a Session Initiation Protocol (SIP) based presence server which enables secure

corporate instant messaging while allowing the user of any SIP compliant IM client (see,

e.g., page 1, paragraph [0008]);

providing users freedom to collaborate by voice and data with any other user on

a common IM network regardless of what type of communication device the users are

operating (see, e.g., page 2, paragraph [0024]); and

SIP is an application layer control protocol using the Session Description

Protocol (SDP) to create sessions and carry session descriptions which allow

participants to agree on a set of compatible media types (see, e.g., page 3, paragraph

[0048]).

Therefore, inherently a protocol stack is included to support application layer SIP

and to support different type of communication device (a protocol stack is interpreted as

a protocol interface layer showing all protocols used under the SIP application layer protocol).

It would have been obvious for one of ordinary skill in the art at the time of the invention to modify Aravamudan to include data conversion (equivalent to the well known data encapsulation) used in SIP as taught by Kammerer in order to efficiently support different communication device communicating with different data type.

Regarding claims 26 and 30, Aravamudan teaches as follows:

means for generating a PUBLISH message or REGISTER message including in a body thereof the status information or the address information, wherein the PUBLISH message or REGISTER message is sent to said presence server as the presence information update message (the client software generates a message (equivalent to applicant's RESITER message) indicating user's online status and current user address and the message is sent to the IM server to notify the CSP, see, e.g., col. 7, lines 3-20).

Regarding claims 27 and 31, Aravamudan teaches as follows:

the PUBLISH message or REGISTER message includes one of the following information: session type, information on the terminal device that has established the session, and information on a coding system and a communication speed used by the established session (the service provider which including IM server, provides means for converting received data and communication mode and channel by utilizing a gateway, which utilizing SIP for session management, see, e.g., col. 3, line 53 to col. 4, line 24).

Aravamudan does not teach SIP used in the IM server but in the gateway device.

Kammerer teaches as follows:

a Session Initiation Protocol (SIP) based presence server which enables secure

corporate instant messaging while allowing the user of any SIP compliant IM client (see,

e.g., page 1, paragraph [0008]).

It would have been obvious for one of ordinary skill in the art at the time of the

invention to modify Aravamudan to include SIP used in IM server as taught by

Kammerer in order to efficiently support different communication device and provide

session connection between communication devices.

Regarding claims 28 and 29, Aravamudan teaches as follows:

a server (Instance Message (hereinafter IM) server, 130 in figure 1 and 2)

connected via a network to a presence server (Communication Services Platform

(hereinafter CSP) 160 in figure 1 and 2) managing status information on a user of a

terminal device or on the terminal device (client's CPE 140 in figure 1 and 2)(IM server

periodically polls the client premises equipment to determine whether a network session

has been terminated, see, e.g., col. 8, lines 10-23), said server comprising:

an interface for connection to a communication line (IM server interfaces with the

client via the client's CPE and the client's proxy presence within the CSP via a services

executive, see, e.g., col. 4, line 65 to col. 5, line 2 and figure 2);

a communication control unit that analyzes the reception, and reforms header

parameters, of a received packet and transfers the received packet, whose header

parameters have been reformed, to said interface (data conversion supported by a

gateway device by using the SIP, see, e.g., col. 3, line 53 to col. 4, line 25);

a status management unit that manages the status of a communication session created between the terminal devices on a certain expiration time basis (IM server periodically polls the client premises equipment to determine whether a network session has been terminated, see, e.g., col. 8, lines 10-31 and figure 7);

a terminal location management unit that manages address information on the terminal device notified via said communication line (the client software generates a message indicating user's online status and current user address and the message is sent to the IM server to notify the CSP, see, e.g., col. 7, lines 3-20);

means for detecting a change in information on the status of the communication session or in the address information (IM server periodically polls the client premises equipment to determine whether a network session has been terminated, see, e.g., col. 8, lines 10-23); and

a presence information update unit that generates a presence information update message, which informs said presence server that the status information or the address information has changed, when the change is detected and issues an instruction to send the message to said communication control unit (the IM server notifies the CSP of the user's online presence and address and then the CSP updates the CSP database to indicate that the user is online, see, e.g., col. 7, lines 13-20).

Aravamudan does not teach SIP used in the IM server but in the gateway device. Kammerer teaches as follows:

a Session Initiation Protocol (SIP) based presence server which enables secure

corporate instant messaging while allowing the user of any SIP compliant IM client (see,

e.g., page 1, paragraph [0008]);

providing users freedom to collaborate by voice and data with any other user on

a common IM network regardless of what type of communication device the users are

operating (see, e.g., page 2, paragraph [0024]); and

SIP is an application layer control protocol using the Session Description

Protocol (SDP) to create sessions and carry session descriptions which allow

participants to agree on a set of compatible media types (see, e.g., page 3, paragraph

[0048]).

Therefore, inherently a protocol stack is included to support application layer SIP

and to support different type of communication device (a protocol stack is interpreted as

a protocol interface layer showing all protocols used under the SIP application layer

protocol).

It would have been obvious for one of ordinary skill in the art at the time of the

invention to modify Aravamudan to include data conversion (equivalent to the well

known data encapsulation) used in SIP as taught by Kammerer in order to efficiently

support different communication device communicating with different data type.

7.   Claims 8-22 and 38-49 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Aravamudan et al. (hereinafter Aravamudan)(U.S. Patent No.

6,301,609 B1) in view of Feather et al. (hereinafter Feather)(U.S. Pub. No.

2004/0139195 A1), and further in view of Kammerer (U.S. Pub. No. 2004/0205175 A1).

Regarding claims 8 and 22, Aravamudan teaches as follows:

a server (Instance Message (hereinafter IM) server, 130 in figure 1 and 2)

connected via a network to a presence server (Communication Services Platform

(hereinafter CSP) 160 in figure 1 and 2) managing status information on a user of a

terminal device or on the terminal device (client's CPE 140 in figure 1 and 2)(IM server

periodically polls the client premises equipment to determine whether a network session

has been terminated, see, e.g., col. 8, lines 10-23), said server comprising:

an interface for connection to a communication line (IM server interfaces with the

client via the client's CPE and the client's proxy presence within the CSP via a services

executive, see, e.g., col. 4, line 65 to col. 5, line 2 and figure 2);

a communication control unit that analyzes the reception, and reforms header

parameters, of a received packet and transfers the received packet, whose header

parameters have been reformed, to said interface (data conversion supported by a

gateway device by using the SIP, see, e.g., col. 3, line 53 to col. 4, line 25);

a status management unit that manages the status of a communication session

created between the terminal devices on a certain expiration time basis (IM server

periodically polls the client premises equipment to determine whether a network session

has been terminated, see, e.g., col. 8, lines 10-31 and figure 7);

a terminal location management unit that manages address information on the

terminal device notified via said communication line (the client software generates a

message indicating user's online status and current user address and the message is

sent to the IM server to notify the CSP, see, e.g., col. 7, lines 3-20);

means for detecting a change in information on the status of the communication

session or in the address information (IM server periodically polls the client premises

equipment to determine whether a network session has been terminated, see, e.g., col.

8, lines 10-23); and

a presence information update unit that generates a presence information update

message, which informs said presence server that the status information or the address

information has changed, when the change is detected and issues an instruction to

send the message to said communication control unit (the IM server notifies the CSP of

the user's online presence and address and then the CSP updates the CSP database to

indicate that the user is online, see, e.g., col. 7, lines 13-20).

Aravamudan does not teach SIP used in the IM server but in the gateway device.

Kammerer teaches as follows:

a Session Initiation Protocol (SIP) based presence server which enables secure

corporate instant messaging while allowing the user of any SIP compliant IM client (see,

e.g., page 1, paragraph [0008]);

providing users freedom to collaborate by voice and data with any other user on

a common IM network regardless of what type of communication device the users are

operating (see, e.g., page 2, paragraph [0024]); and

SIP is an application layer control protocol using the Session Description

Protocol (SDP) to create sessions and carry session descriptions which allow

participants to agree on a set of compatible media types (see, e.g., page 3, paragraph [0048]).

Therefore, inherently a protocol stack is included to support application layer SIP and to support different type of communication device (a protocol stack is interpreted as a protocol interface layer showing all protocols used under the SIP application layer protocol).

It would have been obvious for one of ordinary skill in the art at the time of the invention to modify Aravamudan to include data conversion (equivalent to the well known data encapsulation) used in SIP as taught by Kammerer in order to efficiently support different communication device communicating with different data type.

Aravamudan in view of Kammerer do not teach of monitoring the communication session along with the received packet.

Feather teaches that a system comprises a monitor that obtains state information relating to a device based on intelligent sampling techniques by intersecting incoming and/or outgoing traffic from the device and sampling the intercepted traffic to determine device state (see, e.g., page 2, paragraph [0024]).

It would have been obvious for one of ordinary skill in the art at the time of the invention to combine Aravamudan with Feather to include the sampling technique in order to efficiently monitor communication devices and detect a state of the communication devices based on real traffic between the communication devices.

Regarding claim 9, Aravamudan teaches as follows:

said means for detecting a change in information on the status of the

communication session or in the address information receives a session control

message or, from the terminal device, a location registration request message to detect

the change (the client software generates a message, well known SUBSCRIBE

message in IM system, indicating user's online status and current user address and the

message is sent to the IM server to notify the CSP, see, e.g., col. 7, lines 3-20).

Regarding claims 10 and 11, Aravamudan teaches as follows:

said presence information update unit comprises means for checking if a terminal

device belonging to the status information is a terminal device managed by said server

and, only when the status information in which the change was detected belongs to a

terminal managed by said server, generates the presence information update message

(IM server generates the presence information only for the registered user CPE, see,

e.g., col. 6, lines 32-63); and

said means for checking if a terminal device belonging to the status information is

a terminal device managed by said server compares the domain name of the address of

the server with the domain name of the address of the terminal device and, when the

domain names match, determines that the terminal is to be managed by the server

(when the user device register, the provisioning server registers the address of the

user's instant message server and provisions the client CPE software with a unique

identification, see, e.g., col. 6, lines 32-63).

Kammerer further explicitly teaches as follows:

a proxy server functions substantially the same as on the presence server (IM

server) and monitors the status and interactivity of users and can send out notifications

to the other users on the network (see, e.g., page 6, paragraph [0083]);

each proxy server has separate users connected based on geographic location

of the user and the proxy server (see, e.g., page 6, paragraph [0084]); and

the presence server application sends a presence message to one or more local

subscribed clients who are identified as being in the same organization excluding any

clients are external to that organization (see, e.g., page 8, paragraph [0116]).

It would have been obvious for one of ordinary skill in the art at the time of the

invention to modify Aravamudan in view of Feather to include locally managed presence

server as taught by Kammerer in order to efficiently manage different domain or

organization by separate presence server.

Regarding claims 12-17, Aravamudan does not teach SIP used in the IM server

but in the gateway device.

Kammerer teaches as follows:

the SIP method name determine the nature of the request (see, e.g., page 6,

paragraph [0094]); and

SIP method names include REGISTER, INVITE, ACK, SUBSCRIBE, NOTIFY,

CANCEL, BYE and OPTIONS (see, e.g., page 6, paragraph [0095]-[0102], for further

details, see, e.g., RFC 2543).

Therefore it would have been obvious for one of ordinary skill in the art at the

time of the invention to modify Aravamudan in view of Feather to include standard SIP

functionalities used in IM server as taught by Kammerer in order to properly and timely

update the presence information based on the well known SIP messages

communications.

Regarding claims 18 and 19, Aravamudan teaches as follows:

updating presence information based on the expiration time including a timer to

count time of day (updating user inactivity based on the time limit, see, e.g., col. 7, line

41 to col. 8, line 4 and figure 6).

Regarding claim 20, Aravamudan teaches as follows:

means for generating a PUBLISH message or REGISTER message including in

a body thereof the status information or the address information, wherein the PUBLISH

message or REGISTER message is sent to said presence server as the presence

information update message (the client software generates a message (equivalent to

applicant's RESITER message) indicating user's online status and current user address

and the message is sent to the IM server to notify the CSP, see, e.g., col. 7, lines 3-20).

Regarding claims 21, Aravamudan teaches as follows:

the PUBLISH message or REGISTER message includes one of the following

information: session type, information on the terminal device that has established the

session, and information on a coding system and a communication speed used by the

established session (the service provider which including IM server, provides means for

converting received data and communication mode and channel by utilizing a gateway,

which utilizing SIP for session management, see, e.g., col. 3, line 53 to col. 4, line 24).

Aravamudan does not teach SIP used in the IM server but in the gateway device.

Kammerer teaches as follows:

a Session Initiation Protocol (SIP) based presence server which enables secure

corporate instant messaging while allowing the user of any SIP compliant IM client (see,

e.g., page 1, paragraph [0008]).

It would have been obvious for one of ordinary skill in the art at the time of the

invention to modify Aravamudan in view of Feather to include SIP used in IM server as

taught by Kammerer in order to efficiently support different communication device and

provide session connection between communication devices.

Regarding claims 38-49, they are rejected for same reason as presented above

per claims 32-34.

Conclusion

8.   **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the mailing date of this final action.

9.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to JEONG S. PARK whose telephone number is (571)270-1597. The examiner can normally be reached on Monday through Friday 7:00 - 3:30 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on 571-272-1915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/J. S. P./
Examiner, Art Unit 2454

September 22, 2009

/NATHAN FLYNN/

Supervisory Patent Examiner, Art Unit 2454